# Service Man

8Track Stereo Deck **RS-805US** 

8-Track Stereo Recording/Playback Cartridge Deck



This is the Service Manual of Model RS-805US for PX.

#### **RS-817S MECHANISM SERIES**

#### Specifications (Catalog specifications for sales)

Power requirement: AC; 90~109, 110~125, 200~219,

220~250V, 50/60Hz

Power consumption; 6W

8-track 2-channel stereo recording and Track system:

playback

Recording system:

AC bias, AC erase

Operation:

Cartridge slide-in system with Pana-Ject/

continuous play mechanism and remote

control eject/program

Tape speed:

3-3/4 ips.

0.17% (WRMS) Wow and flutter: Frequency response: 30~13,000 Hz

Signal to noise ratio: 45dB

Inputs:

MIC; 0.28mV applicable microphone

impedance  $200{\sim}600\Omega$  (recommended

microphone RP-8135)

Outputs:

LINE;  $50\text{mV}/100\text{K}\Omega$  LINE; 0.6V (at 0 VU) load impedance

50KΩ over

HEADPHONES; output level 45mV/8 $\Omega$ 

(at 0 VU)

REC/P.B connection: DIN 5P terminal

Motor:

1-motor system

Head:

1-head system

Fast forward time:

Approx. 480 seconds with 300 feet tape

Program time: Dimensions:

1 hour stereo recording with 300 feet tape  $12-1/2"(W)\times4-3/8"(H)\times9-3/4"(D)$ 

Weight:

8-1/8 lbs.

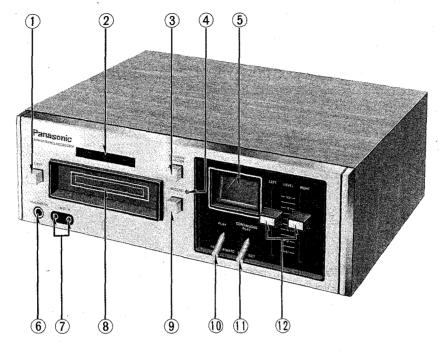
Specifications are subject to change without notice for further improvement.

Panasonic<sub>®</sub>

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Matushita Electric Trading Co., Ltd. P.O. Box 288, Central Osaka Japan

# **LOCATION OF PARTS**



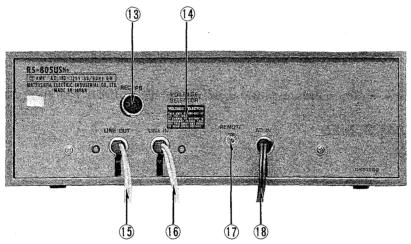


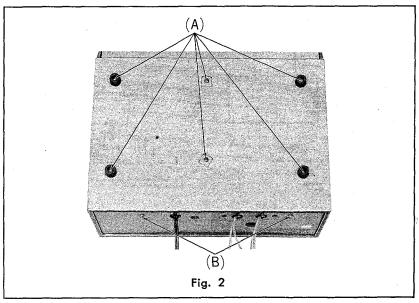
Fig. 1

- ① Ejection button
- ② Program indicator
- 3 Program selector
- Recording indicator
- ⑤ Level meter
- 6 Headphones jack
- Microphone jacks
- Tape slot
- Record button

- Play/fast forward control
- Automatic ejection switch
- Level adjustment controls
- Record/playback connection socket
- Woltage selector
- 15 Line output cords
- 16 Line input cords
- Remote control jack
- ® Power cord

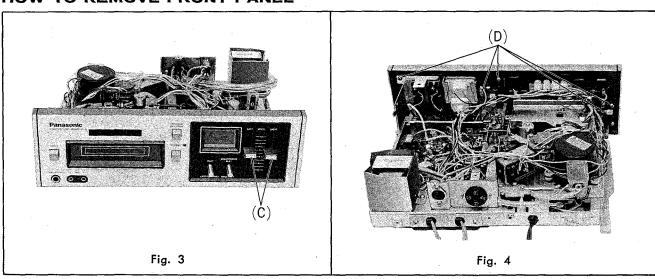
# **DISASSEMBLY INSTRUCTIONS**

#### HOW TO REMOVE BODY CASE AND BACK BOARD



- 1. Remove 6 body case holding screws (A) and 2 back board holding screws (B).
- 2. Then body case and back board can be removed.

#### **HOW TO REMOVE FRONT PANEL**

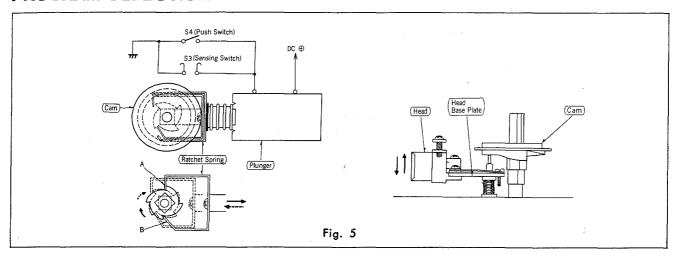


1. Pull out 2 volume knobs (C).

- 2. Remove 5 front panel holding screws (D).
- 3. Then front panel can be removed.

#### **MECHANICAL ADJUSTMENTS**

#### PROGRAM SELECTION



#### Manual selection

- 1. When the push switch is pressed, the plunger operates.
- 2. Plunger pulls the ratchet spring to momentary then it returns to the left.
- 3. Ratchet spring turns the cam.
- 4. As the cam rotates, the head moves up and down and program is selected.

#### PRESSURE OF PRESSURE ROLLER

Instruments required:

Standard cartridge for measuring of pressure roller, spring gauge.

Measuring figure:

Refer to fig. 6.

Measuring method:

Insert the standard cartridge in the tape recorder, and take the measurement by pulling it with the spring gauge.

Standard value:

1200±200 gr.

#### **HEAD PLATE ATTRACTION**

Instrument required:

Spring gauge.

Measuring figure:

Refer to fig. 7.

Measuring method:

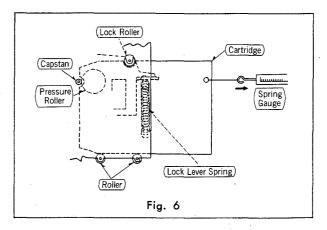
Place the set into the mode of program 1, and take the measurement by pushing it downward with the spring gauge.

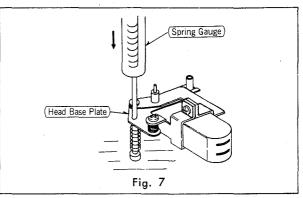
Standard value:

110±20 gr.

#### Automatic selection

If the sensing foil attached to the cartridge tape, the plunger functions when the sensing switch is closed by the sensing foil, thereby selecting program can be made automatically.

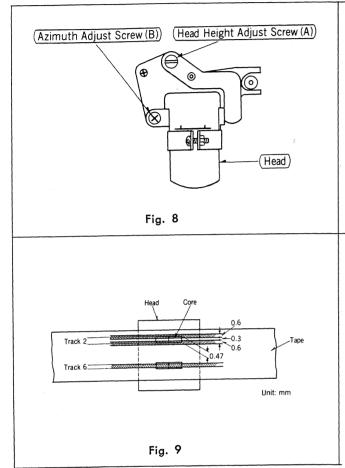


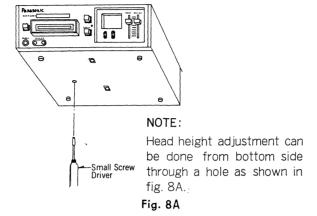


#### **AMPLIFIER ADJUSTMENTS**

#### HEAD HEIGHT ADJUSTMENT

Instruments required: Height and azimuth test tape (VTT-801), VTVM.





Test tape (VTT-801) is recorded with a  $1\,\mathrm{kHz}$  tone above and below track 2 and with  $8\,\mathrm{kHz}$  tone on track 6 (fig. 9).

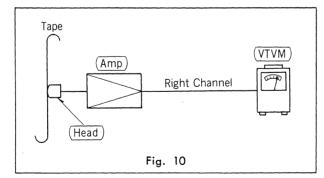
- 1. Set the tape recorder to program 2.
- 2. Connect a VTVM to the output of left channel.
- 3. Playback the test tape (VTT-801) and adjust the head height adjust screw (A) shown in fig. 8 for minimum output.

#### **AZIMUTH ADJUSTMENT**

Instruments required:

Test tape (VTT-801), VTVM.

- 1. Set the tape recorder to program 2.
- 2. Connect a VTVM to the output of right channel.
- 3. Playback the test tape (VTT-801) and adjust the azimuth adjust screw (B) shown in fig. 8 so that the reading of the VTVM becomes maximum.



#### CROSSTALK ADJUSTMENT

Test tape (VTT-804) has 400 Hz on channels 1, 3, 5 and 7, and no signal on channels 2, 4, 6 and 8.

1. Play each channel and measure the power ratio, using the VTVM, between each odd and ever num-

bered track.

It should be at least 55 dB.

2. If the ratio is out of tolerance, repeat the azimuth and height adjustments.

#### **ELECTRICAL ADJUSTMENTS**

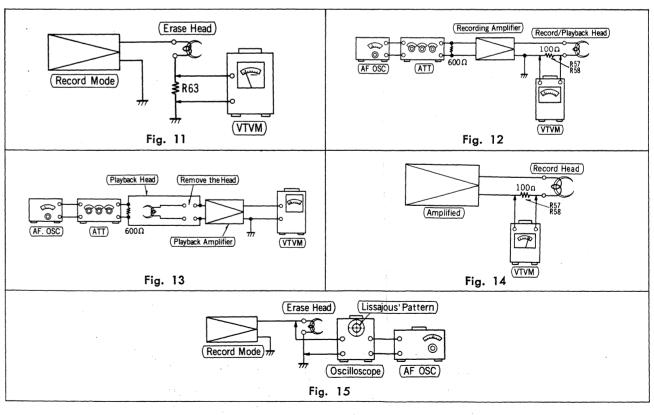
Measurement condition:

Voltage.....120 V Volume control......Maximum

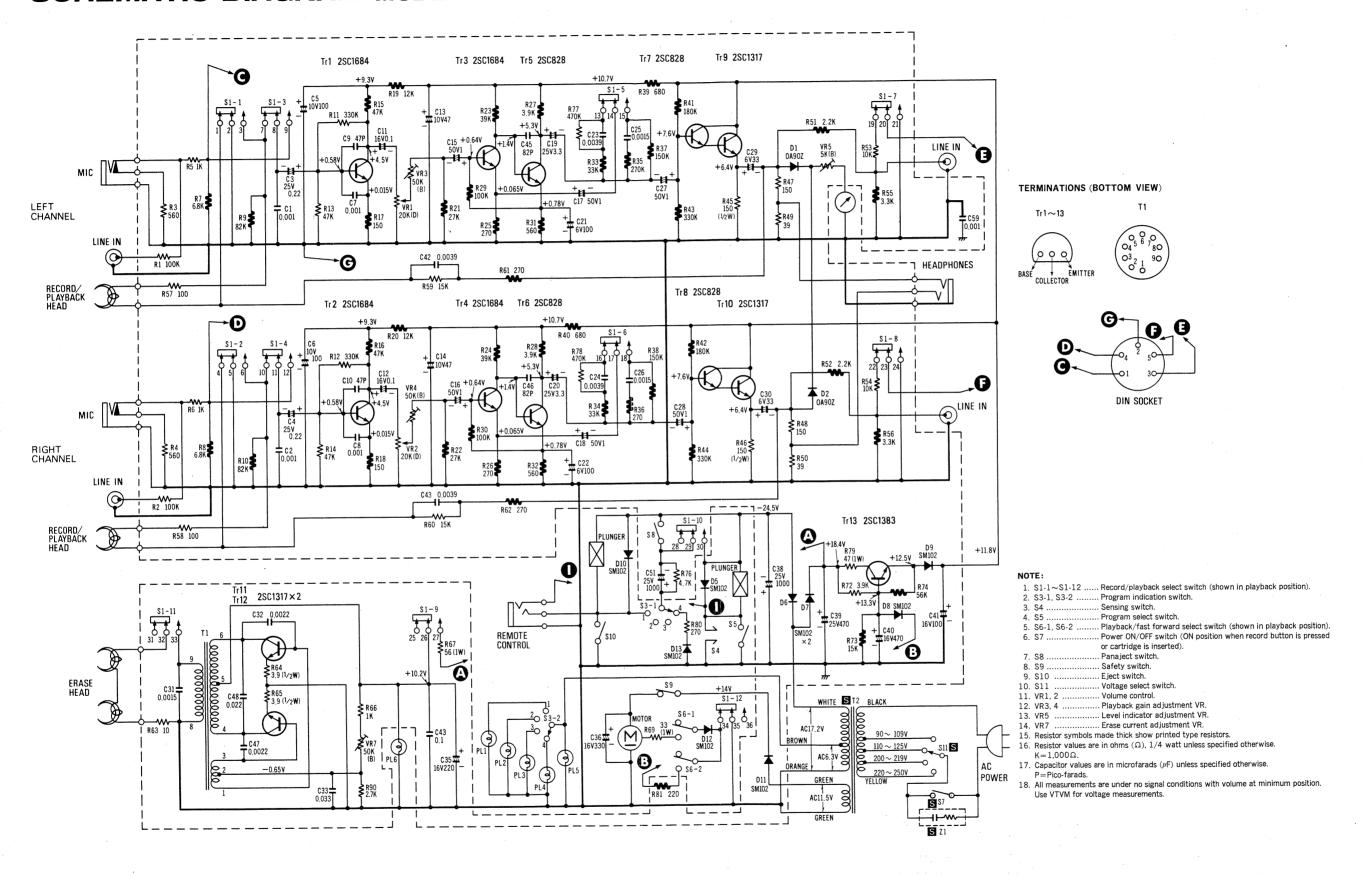
Instruments required:

VTVM, AF OSC, oscilloscope, ATT, resistors (600 $\Omega$ ).

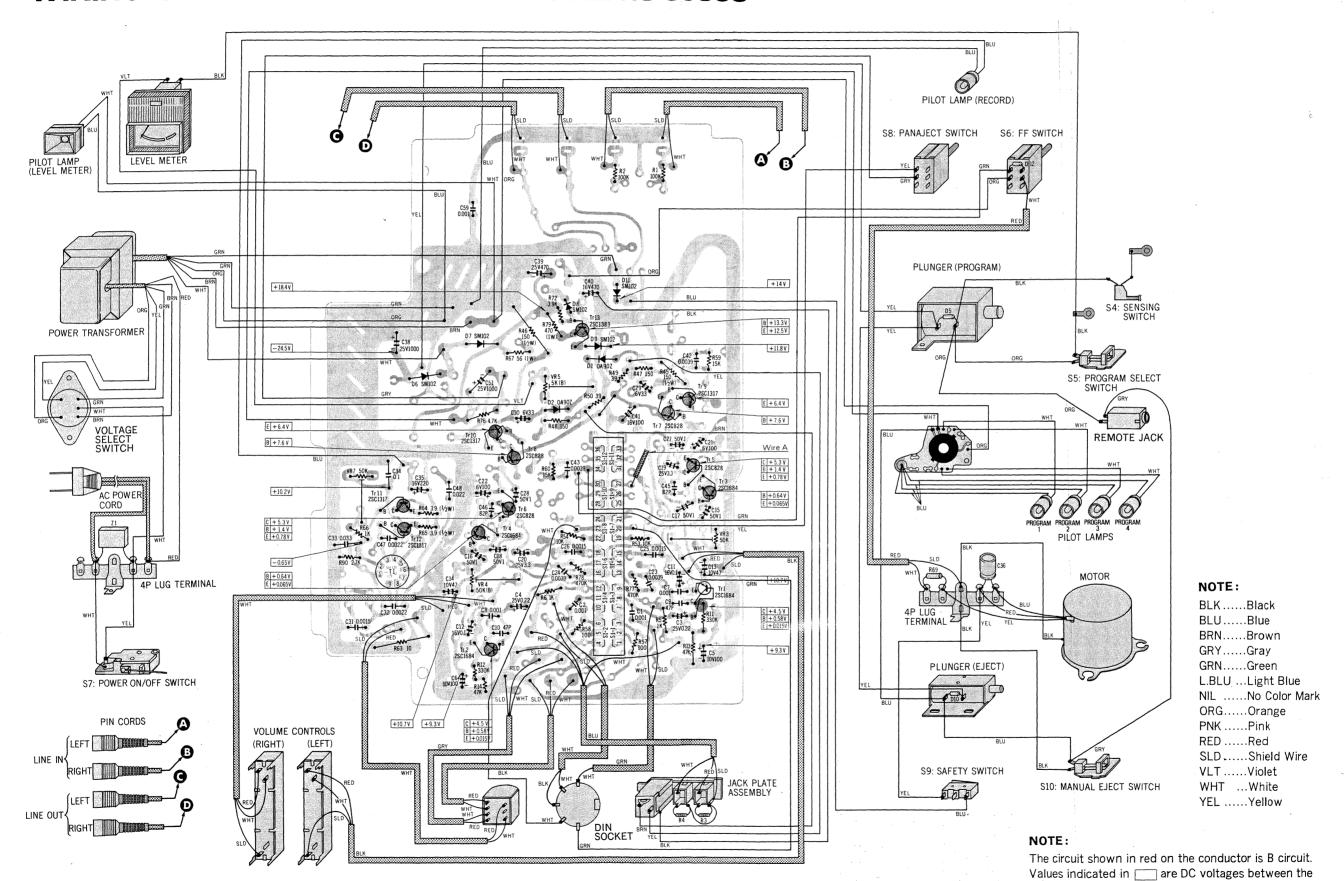
| ITEM                               | SIGNAL SOURCE<br>CONNECTION                                 | OUTPUT<br>CONNECTION   | MODE     | ADJUSTMENT | SPEC.                      | REMARKS  |
|------------------------------------|---|--|----------|------------|----------------------------|--|
| Adjustment of erase current.       |   | VTVM to both ends of R63 $(10\Omega)$ as shown in fig. 11.                           | Record   | VR7        | 8±0.5mA                    | Set volume control to minimum.   |
| Test of recording level.           | 1 kHz<br>MIC -71±3 dB<br>LINE IN -26±4 dB                   | VTVM to both ends<br>of R57 (left CH),<br>R58 (right CH).<br>See fig. 12.            | Record   |            | 58µA<br>(head<br>(current) | Stop the bias oscillation<br>by unsoldering wire A<br>as shown on printed<br>circuit board (page 6).   |
| Test of playback amplifier gain.   | $500  \text{Hz} - 65 \pm 4  \text{dB}$ as shown in fig. 13. | VTVM to LINE-OUT<br>terminal.  | Playback |            | 0.6 V                      |  |
| Adjustment of record bias current. |   | VTVM to both ends<br>of R57 (left CH),<br>R58 (right CH).<br>See fig. 14.            | Record   |            | 1 mA                       | Set volume control to minimum.   |
| Test of oscillation frequency.     |   | Oscilloscope with<br>AF OSC to both<br>ends of erase<br>head as shown in<br>fig. 15. | Record   |            | 40±5kHz                    | Adjust the AF OSC to obtain a circular and stationary lissajous' pattern on oscilloscope. The oscillation frequency is indicated by the scale of the AF OSC. |



## SCHEMATIC DIAGRAM MODEL RS-805US

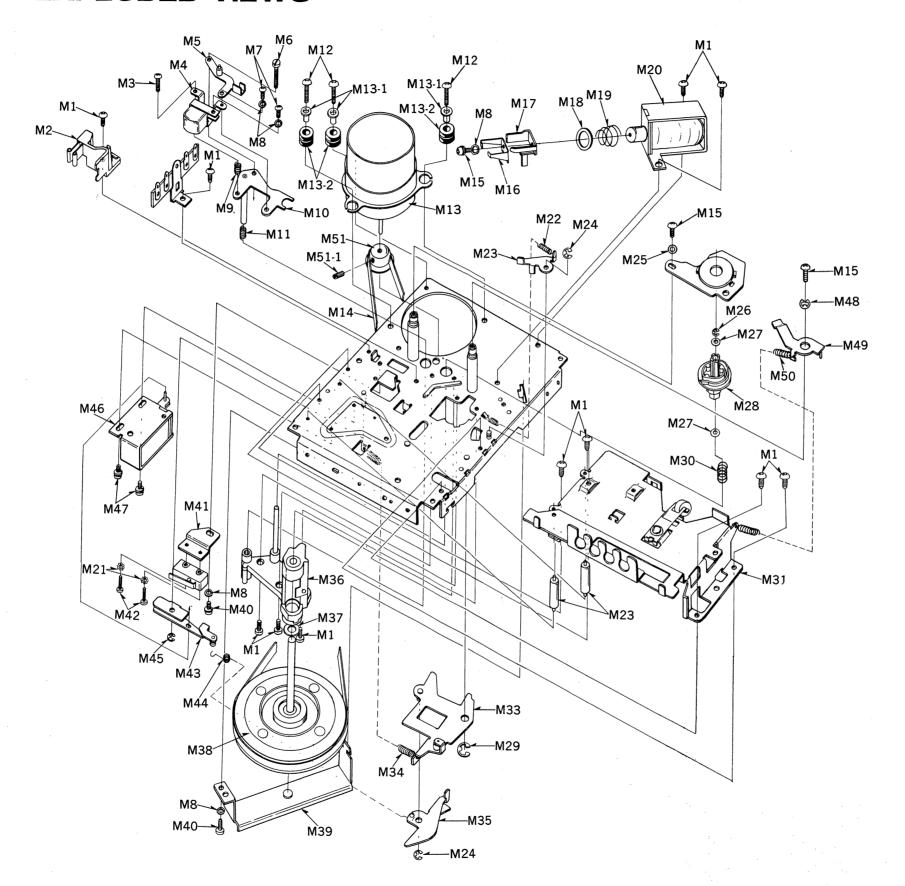


## WIRING CONNECTION DIAGRAM MODEL RS-805US

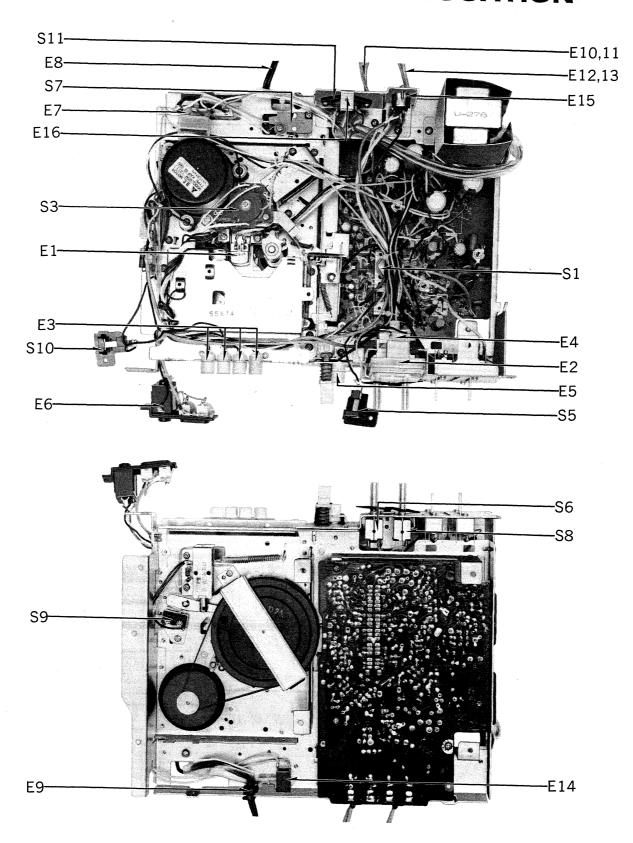


chassis and electrical parts.

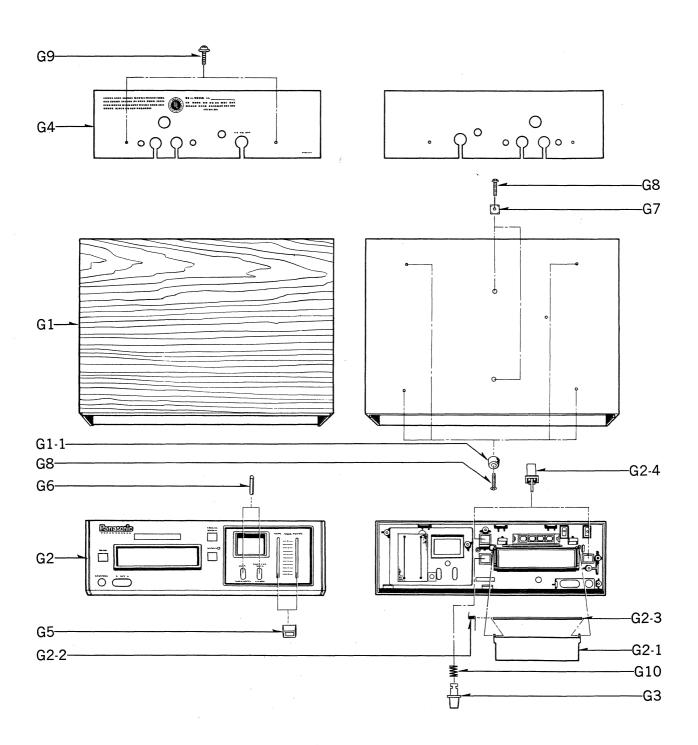
# **EXPLODED VIEWS**

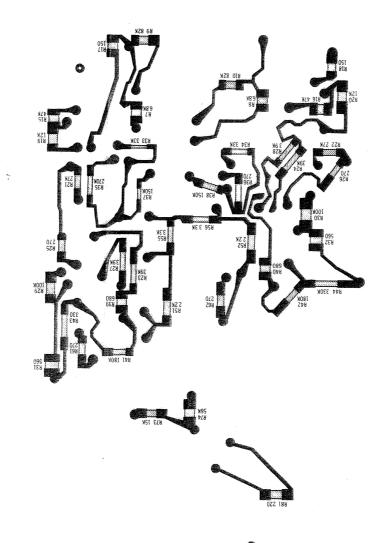


# **ELECTRICAL PARTS LOCATION**



# **CABINET PARTS**





# REPLACEMENT PARTS LIST MODEL RS-805US (Panasonic)

#### ATEENTION:

indicated that only parts specified by the manufacturer be used for replacement in critical circuits.





| Ref. No. | Description               | Part No. | Per Set<br>(Pcs.) | Note |
|----------|---------------------------|----------|-------------------|------|
|          | MECHANICAL PARTS          |          |                   |      |
| M1       | Tapping Screw ⊕3×8        | XTB3+8B  | 12                |      |
| M2       | Tape Guide Unit (with S3) | QXZ0025  | 1                 |      |
| МЗ       | Screw ⊝3×10               | XSN3-10S | 1                 |      |
| M4       | Head Clamper              | QMA2244  | 1                 |      |
| M5       | Head Flat Spring Unit     | QXJ0101A | 1                 |      |
| M6       | Head Height Adjust Screw  | QHQ1189  | 1                 |      |
| M7       | Screw ⊕3×6                | XSN3+6S  | 2                 |      |
| M8       | Spring Washer 3¢          | XWA3B    | 5                 |      |
| M9       | Head Angle Adjust Spring  | QBC1166  | 1                 |      |
| M10      | Head Plate Unit           | QXH0179  | 1                 |      |
| M11      | Head Pressure Spring      | QBC1221A | 1                 |      |
| M12      | Tapping Screw ⊕3×12       | XTB3+12B | 3                 |      |
| M13      | Motor                     | QDM1311  | 1                 |      |
| M13-1    | Eylet                     | QMP1418  | 3                 |      |
| M13-2    | Rubber Cushion            | QBG1349  | 3                 | -    |
| M14      | Belt                      | QDB0177  | 1                 |      |
| M15      | Screw ⊕3×6                | XYN3+C6  | 2                 |      |
| M16      | Ratchet Spring            | QMF1611C | 1                 |      |
| M17      | Cam Stopper               | QGG0007A | 1                 |      |
| M18      | Rubber Washer             | QBW2002A | 1                 |      |
| M19      | Plunger Spring            | QBC1220  | 1                 |      |
| M20      | Plunger                   | QME0140  | 1                 |      |
| M21      | Lock Washer 2¢            | XWC2B    | 2                 |      |
| M22      | Lock Holding Spring       | QBT1682  | 1                 |      |
| M23      | Lock Holding Plate        | QML2531  | 1                 |      |
| M24      | Stop Ring 3∳              | XUC3FT   | 2                 |      |
| M25      | Flat Washer 3¢            | XWG3FX   | 1                 |      |
| M26      | Stop Ring E2¢             | XUC2FT   | 1                 |      |

| Ref. No.  | Desc                | ription   |          | Part No.   | Per Set<br>(Pcs.) | Note |
|-----------|---------------------|---|----------|------------|-------------------|------|
| M27       | Tetoron Washer      | 3   |          | QBJ3099    | 2                 |      |
| M28       | Cam                 |   |          | QMD0011    | 1                 | ·    |
| M29       | Stop Ring E4¢       |   |          | XUC4FT     | 1                 |      |
| м30       | Back Tension Sprin  | g   |          | QBCT0005   | 1                 |      |
| M31       | Guide Plate Unit    |   |          | QXH0180C   | -1                |      |
| M32       | Roller              |   |          | QDP1547    | 2                 |      |
| M33       | Lock Lever-2 Unit   |   |          | QXL0775    | 1                 |      |
| M34       | Lock Lever Spring   |   |          | QBT1686M   | 1                 |      |
| M35       | Lock Lever-1 Unit   |   |          | QXL0824    | 1 .               |      |
| M36       | Flywheel Shaft Reta | iner Unit   |          | QXM0134A   | 1                 |      |
| M37       | Poly Washer         |   | *        | QBJ3217    | 1                 | ·    |
| M38       | Flywheel            |   |          | QXF0105    | 1                 |      |
| M39       | Flywheel Retainer L | Init  |          | QXA0203    | 1                 | ·    |
| M40       | Screw ⊕3×5          |   |          | XSN3+5     | 1                 |      |
| M41       | Switch Angle        |   |          | QMH1132    | 1                 |      |
| M42       | Screw ⊕2×10         |   |          | XSN2+10    | 2                 |      |
| M43       | Eject Lever Unit    |   | QXL0720A | 1          |                   |      |
| M44       | Eject Spring        | - All Control of the |          | QBN1314A   | 1 .               |      |
| M45       | Stop Ring E2.5∮     |   |          | XUC25FT    | 1                 |      |
| M46       | Plunger             |   |          | QME0129C   | 1                 |      |
| M47       | Screw ⊕3×5          |   |          | XYN3+C5S   | 3                 |      |
| M48       | Stop Ring E5¢       |   |          | XUC5FT     | 1                 |      |
| M49       | Lamp Lever Assemb   | oly   |          | QXL0795    | 1                 |      |
| M50       | Lamp Lever Spring   |   |          | QBT1685    | 1                 |      |
| M51       | Motor Pulley        |   |          | QXP0512    | 1                 |      |
| M51-1     | Motor Pulley Set Sc | rew   |          | XXE3D5FZS  | 1                 |      |
| -         | RESI                | STORS   |          |            |                   |      |
| R1, 2     | Carbon Resistor     | 100 ΚΩ  | 1/4 W    | ERD14VJ104 | 2                 |      |
| R3, 4     | **                  | 560Ω  | 1/4 W    | ERD14VJ561 | 2                 |      |
| R5, 6, 66 | ,,                  | 1ΚΩ   | 1/4 W    | ERD14VJ102 | 3 .               |      |
| R11, 12   | * ***               | 330 ΚΩ  | 1/4 W    | ERD14VJ334 | 2                 |      |
| R13, 14   | **                  | 47 ΚΩ   | 1/4 W    | ERD14VJ473 | 2                 |      |
| R45, 46   | Solid Resistor      | 150Ω  | 1/2 W    | ERC12GM151 | 2                 |      |
| R47, 48   | Carbon Resistor     | 150Ω  | 1/4 W    | ERD14VJ151 | 2                 |      |

| Ref. No.                   | Descrip                 | tion                                  |                  | Part No.     | Per Set<br>(Pcs.) |   | Note |
|----------------------------|-------------------------|---------------------------------------|------------------|--------------|-------------------|---|------|
| R49, 50                    | Carbon Resistor         | 39Ω                                   | 1/4 W            | ERD14VJ390   | 2                 |   |      |
| R53, 54                    | **                      | 10ΚΩ                                  | 1/4 W            | ERD14VJ103   | 2                 |   |      |
| R57, 58                    | ,,                      | 100Ω                                  | 1/4 W            | ERD14VJ101   | 2                 |   |      |
| R59, 60                    | ,,                      | 15ΚΩ                                  | 1/4 W            | ERD14VJ153   | 2                 |   |      |
| R63                        | ,,,                     | 10Ω                                   | 1/4 W            | ERD14VJ100   | 1                 |   |      |
| R64, 65                    | Wire-wound Resistor     | 39Ω                                   | 1/2 W            | ERM12PK3R9   | 2                 |   |      |
| R67                        | Solid Resistor          | 56Ω                                   | 1 W              | ERC1GM560    | 1                 |   |      |
| R69                        | **                      | 33Ω                                   | 1 W              | ERC1GM330    | 1                 |   |      |
| R72                        | Carbon Resistor         | 3.9 ΚΩ                                | 1/4 W            | ERD14VJ392   | 1                 | · |      |
| R76                        | <b>37</b>               | 47 ΚΩ                                 | 1/4 W            | ERD14VJ472   | 1                 |   |      |
| R77, 78                    |                         | 170 ΚΩ                                | 1/4 W            | ERD14VJ474   | 2                 |   |      |
| R79                        | Solid Resistor          | 47Ω                                   | 1 W              | ERC1GM470    | 1                 |   |      |
| R80                        | Carbon Resistor         | 270Ω                                  | 1/4 W            | ERD14VJ271   | 1                 |   |      |
| R90                        | "                       | 2.7 ΚΩ                                | 1/4 W            | ERD14VJ272   | 1                 |   |      |
|                            | VARIABLE RE             | ESIST                                 | <u>ORS</u>       |              |                   |   |      |
| VR1, 2                     | Variable Resistor       | 20                                    | KΩ (D)           | EVA72AA00D24 | 2                 |   |      |
| VR3, 4, 7                  | Semi-fixed Variable Res | istor 50                              | )ΚΩ (Β)          | EVLS3AA00B54 | 3                 |   |      |
| VR5                        | <b>&gt;</b>             | 5                                     | ΚΩ (Β)           | EVLS3AA00B53 | 1                 |   |      |
|                            | CAPACIT                 | rors                                  |                  |              | -                 |   |      |
| C1, 2                      | Ceramic Capacitor       |                                       | 0.001 <i>µ</i> F | ECKD1H102KB  | 2                 |   |      |
| C3, 4                      | Electrolytic Capacitor  |                                       | 0.22 <i>µ</i> F  | ECEA25VR22M  | 2                 |   |      |
| C5, 6                      | ***                     |                                       | 100μF            | ECEA10V100L  | 2                 |   |      |
| C7, 8, 59                  | Ceramic Capacitor       |                                       | 0.001 <i>µ</i> F | ECKD1H102PF2 | 3                 |   |      |
| C9, 10                     | ,,,                     |                                       | 47 pF            | ECCD1H470K   | 2                 |   |      |
| C11, 12                    | Electrolytic Capacitor  |                                       | 0.1 <i>µ</i> F   | ECEA50ZR1    | 2                 |   |      |
| C13, 14                    | "                       |                                       | 47μF             | ECEA10V47L   | 2                 |   |      |
| C15, 16, 17,<br>18, 27, 28 | 22                      |                                       | 1 <i>μ</i> F     | ECEA50V1L    | 6                 |   |      |
| C19, 20                    | 29                      |                                       | 3.3 <i>µ</i> F   | ECEA25V3R3L  | 2                 |   |      |
| C21, 22                    |                         | · · · · · · · · · · · · · · · · · · · | 100 <i>μ</i> F   | ECEA6V100L   | 2                 |   |      |
| C23, 24, 42, 43            | Mylar Capacitor         | 0                                     | .0039 <i>µ</i> F | ECQM05392MZ  | 4                 |   |      |
| C25, 26, 31                | . 29                    | 0                                     | .0015 <i>µ</i> F | ECQM05152MZ  | 3                 | , |      |
| C29, 30                    | Electrolytic Capacitor  |                                       | 33 <i>µ</i> F    | ECEA6V33L    | 2                 |   |      |
| C32, 47                    | Ceramic Capacitor       | . 0                                   | .0022 <i>µ</i> F | ECKD1H222KB  | 2                 |   |      |

| Ref. No.                          | No. Description              |                  | Part No.     | Per Set<br>(Pcs.) | No | te |
|-----------------------------------|------------------------------|------------------|--------------|-------------------|----|----|
| C33                               | Mylar Capacitor              | 0.033 <i>µ</i> F | ECQM05333MZ  | 1                 |    |    |
| C34                               | ,,                           | 0.1 <i>µ</i> F   | ECQM05104MZ  | 1 1               |    |    |
| C35                               | Electrolytic Capacitor       | 220µF            | ECEA16V220L  | 1                 |    |    |
| C36                               | <b>27</b>                    | 330 <i>µ</i> F   | ECEA16V330L  | 1                 |    |    |
| C38                               |                              | 1000 <i>μ</i> F  | ECEA25V1000L | 1                 |    |    |
| C39, 51                           | 27                           | 470 <i>μ</i> F   | ECEA25V470L  | 2                 |    |    |
| C40                               | 29                           | 470 <i>μ</i> F   | ECEA16V470L  | 1                 |    |    |
| C41                               | <b>79</b>                    | 100 <i>μ</i> F   | ECEA16V100L  | 1                 |    |    |
| C45, 46                           | Ceramic Capacitor            | 82 pF            | ECCD1H820K   | 2 、               |    |    |
| C48                               | Mylar Capacitor              | 0.022 <i>µ</i> F | ECQM05223MZ  | 1                 |    |    |
|                                   | COMBINATION F                | PARTS            |              |                   |    |    |
| Z1                                | CR Combination Part          | SAFETY           | QCR0008T     | 1                 |    |    |
|                                   | TRANSISTOR                   | ₹ <b>S</b>       |              |                   |    |    |
| Tr1, 2, 3, 4                      | Transistor                   |                  | 2SC1684      | 4                 |    |    |
| Tr5, 6, 7, 8                      | "                            |                  | 2SC828       | 4                 |    |    |
| Tr9, 10, 11, 12                   | ***                          |                  | 2SC1317      | 4                 |    |    |
| Tr13                              | "                            |                  | 2SC1383      | 1                 |    |    |
|                                   | DIODES                       |                  |              |                   |    |    |
| D1, 2                             | Diode                        |                  | OA90Z        | 2                 |    |    |
| D5, 6, 7, 8, 9,<br>10, 11, 12, 13 | "                            |                  | SM102        | 9                 |    |    |
| .'                                | TRANSFORMI                   | ERS              |              |                   |    |    |
| T1                                | Oscillator Transformer       |                  | QLB0170S     | 1                 |    |    |
| T2                                | Power Transformer            | SAFETY           | QLPN30IKH    | 1                 |    |    |
|                                   | SWITCHES                     | <b>3</b>         |              |                   |    |    |
| \$1                               | Slide Switch (Record/Playba  | ck)              | QSS1192      | 1                 |    |    |
| S3 ·                              | Rotary Switch (Program Indi  | cation)          | QSR0030TM    | 1                 |    |    |
| S4                                | Sensing Switch (Interlock wi | th M2)           | <del>-</del> | (1)               |    |    |
| S5                                | Leaf Switch (Program Select  | tor)             | QSB0211      | 1                 |    |    |
| \$6                               | Lever Switch (Fast Forward   | Selector)        | QST0021S     | 1                 |    |    |
| S7                                | Micro Switch (Power ON/OFF   | ) SAFETY         | QSM0062A     | 1                 |    | _  |

| Ref. No. | Description                           | Part No.   | Per Set<br>(Pcs.) | Note           |
|----------|---------------------------------------|------------|-------------------|----------------|
| S8       | Lever Switch (Paṇaject)               | QST0021S   | 1                 |                |
| \$9      | Micro Switch (Safety Switch)          | QSM0040A   | 1                 |                |
| S10      | Leaf Switch (Eject)                   | QSB0211    | 1                 |                |
| S11      | Rotary Switch (Voltage Select) SAFETY | QSR0004B   | 1                 |                |
|          | ELECTRICAL PARTS                      |            |                   |                |
| E1       | Head                                  | WY812AZ    | 1                 |                |
| E2       | Level Meter                           | QSL1030LM  | 1                 |                |
| E3       | Pilot Lamp                            | XAMQ11P300 | 4                 |                |
| E4       | "                                     | XAMQ16P300 | 1                 |                |
| E5       | "                                     | XAMQ27P300 | 1                 |                |
| E6       | Jack Plate Assembly                   | QTS0264HM  | 1                 |                |
| E7       | 4P Lug Terminal                       | QJT4012    | 2                 |                |
| E8       | AC Power Cord SAFETY                  | QFC1041    | 1                 |                |
| E9       | Heyco Bushing                         | QTD1129    | 3                 |                |
| E10      | Pin Cord-L (LINE-IN)                  | QFC2096    | 1                 |                |
| E11      | Pin Cord-R (LINE-IN)                  | QFC2097    | 1                 |                |
| E12      | Pin Cord-L (LINE-OUT)                 | QFC2066A   | 1                 |                |
| E13      | Pin Cord-R (LINE-OUT)                 | QFC2067A   | 1                 |                |
| E14      | Remote Jack                           | QJA0134A   | 1                 |                |
| E15      | Din Socket                            | QJS0747    | 1                 |                |
| E16      | Din Socket Holding Angle              | QMA2198    | 1                 |                |
|          | CABINET PATRS                         |            |                   |                |
| G1       | Main Body Case Assembly               | QKW1277    | 1                 |                |
| G2       | Panel Assembly                        | QYP0546    | 1                 |                |
| G2-1     | Cartridge Lid                         | QKF1447    | 1                 |                |
| G2-2     | Cartridge Lid Spring                  | QBN1197    | 1                 |                |
| G2-3     | Cartridge Lid Shaft                   | QMN1684    | 1                 |                |
| G2-4     | Button Assembly                       | QXB0193H   | 2                 |                |
| G3       | "                                     | QXB0208H   | 1                 | -              |
| G4       | Back Board                            | QKS1202    | 1                 |                |
| (G4)     | Back Board                            | QKS1203    | 1                 | Europe PX only |
| G5       | Volume Knob Assembly                  | QYT0364    | 2                 |                |
| G6       | Lever Knob                            | QGT1242    | 2                 |                |

| Ref. No. | Description        | Part No.    | Per Set<br>(Pcs.) | Note |
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| G7       | Square Washer      | QWQ1083     | 2                 |      |
| G8       | Screw ⊕4×16        | XSN4+16R    | 6                 |      |
| G9       | Screw ⊕3×8         | XTV3+8R     | 2                 |      |
| G10      | Spring             | QBC1219     | 1                 |      |
|          | ACCESSORIES        |             |                   |      |
| A1       | Remote Control Box | QZA0004     | 1                 |      |
| A2       | Head Cleaning Bar  | QFQ1025     | 1                 |      |
| А3       | Instruction Book   | QQT0941     | 1 .               |      |
|          | PACKINGS           |             |                   | :    |
| P1       | Inside Carton      | QPN2978     | 1                 |      |
| P2       | Inner Cushion      | QPA0070     | 2                 | ·    |
| Р3       | Poly Bag           | XZB36X46A08 | . 1               |      |
| P4       | Spacer             | QPS0173     | 1                 |      |
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